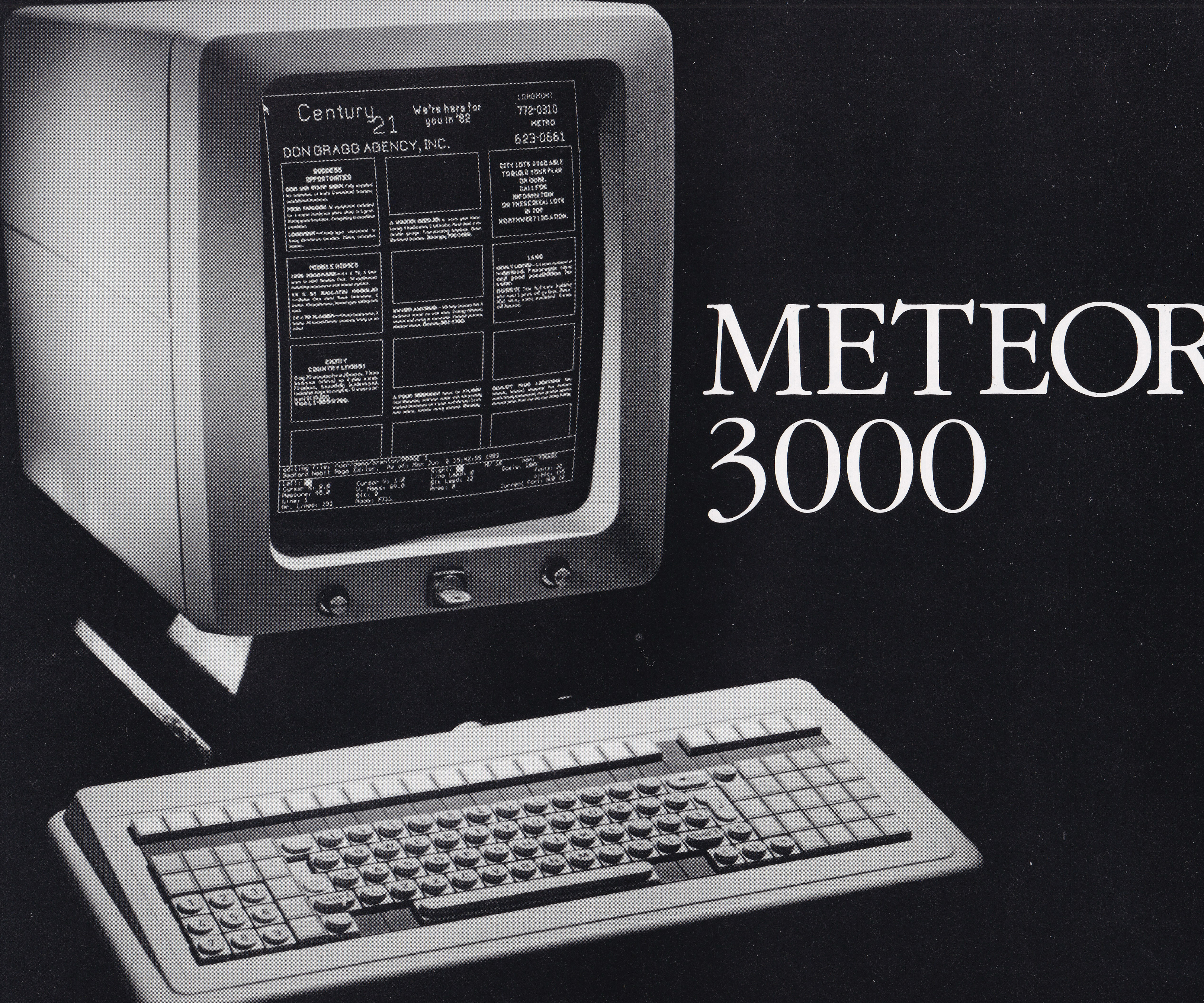
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METEOR 3000

THE METEOR 3000 PAGINATION STATION

The Vision Network System's most powerful workstation, indeed the most powerful workstation available is the Meteor 3000 Pagination Station from Bedford.

The Meteor 3000 acts as a replicat of the finished page. And not only can Bedford boast that "what you see is what you get", we can also say that "what you see is what you can edit".

The Pagination Station operates interactively, in real time, so that last minute changes are viewed instantaneously.

The user may divide his page into a number of regions or "areas". These areas may be positioned on the page anywhere the user chooses.

One area may be defined to over flow into another area by linking areas together, and flowed text will assume the measured parameters of each area. And areas do not have to be rectangular. Either through keyboard identification or use of an optional graphics tablet, irregular areas may be defined to allow operators greater page control with minimum intervention.

Text flowed from a file prepared on the Meteor 2000 Composition Station, however, will appear exactly as it appeared on the Galley station until altered by the Meteor 3000 operator.

Vertical justification within any area can be accomplished by inserting space bands on any line, with the Pagination Station automatically distributing the extra space equally among those lines carrying the bands. Or, the operator can split the extra space incrementally between each line to achieve proportional spacing.

Flowing text from galleys onto the Meteor 3000 can be defined by number of lines, full files, blocks, etc. The operator is free to choose. And, while text is flowing into one area, the user can be revising text in another area.

Typesetters are driven as slaves by the Pagination Station (6000 series) operating in a background mode from two queues. The "ready" queue contains those files to be sent, in order, to the typesetter. A "wait" queue stores files until an operator is prepared to move the finished page to typesetter output.

Since typesetter output is handled in background, the Meteor 3000 is available for other work.

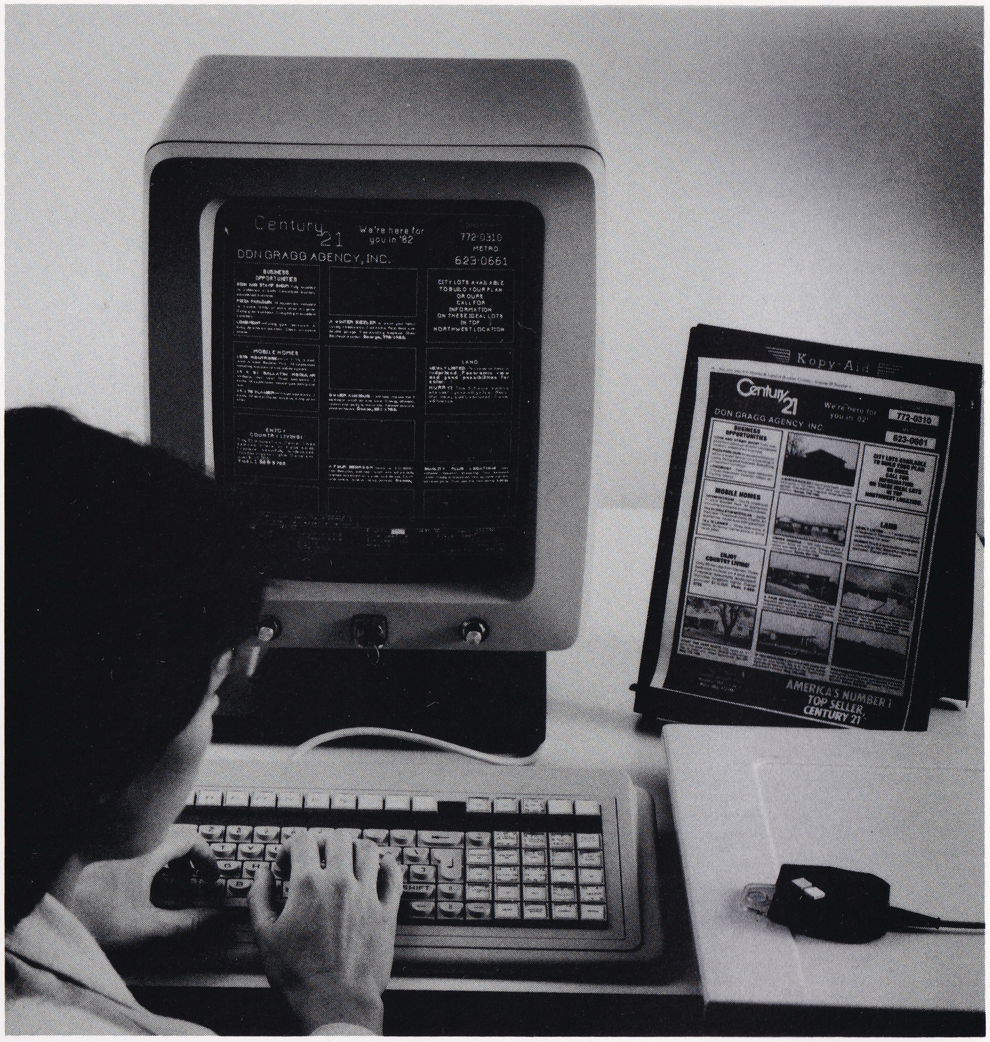
The background process converts the composition coding to typesetter commands, and lines are sorted in increasing depth of baseline, meaning multicolumn material and superiors can be typeset without reverse leading.

Typesetter dressing assists, customer definable font programs and other features make the Meteor 3000 a state-of-the-art workstation that competitors may take years to approach.

3000 COMPOSITION POWER

In addition to a wealth of page control and throughput power, all features of the Meteor 2000 Galley Composition software are available in the Meteor 3000 Pagination Station.

The Meteor 3000 Real Time terminal screen displays a dot by dot representation of text. All characters appear in their correct size, width and weight.



Meteor 3000 with graphics tablet.

Text is proportionally spaced, bold faces are drawn heavier than roman faces, and italic faces are slanted. Similarly, pi characters appear in a form representative of their appearance in final typeset copy.

Any entry or change the user makes is immediately apparent on the screen.

For the ultimate in composition keyboard efficiency, each key is capable of generating up to 45 different characters or commands.

And for user ease, the Meteor 3000 allows viewing text in a variety of scales from one-quarter size to three times true size depending on the scale command the user chooses.

In the "quick paint mode", the Pagination Station will display text as horizontal lines, except for the line containing the cursor, which is displayed in true character form.

This mode speeds up galley handling, especially when a user is making line corrections from a marked-up proof. The Meteor 3000 lets the user search for that line to be corrected, speeding through other text in a horizontal line representation.

The bottom portion of the Pagination Station screen features Status Display area which gives each user current information about the open page file such as measure, leading, cursor position, font, point size and the character to the left or right of the cursor. Also, the display keeps track of the current line number and the total number of lines in the file, which scale is being used and which hyphenation and justification commands are in effect.

The Meteor 3000 command structure also at times responds with a request for additional information. These prompts not only make the system more user-friendly, but responses are checked out by the Meteor 3000 for syntax and value validity before each command is allowed to affect the displayed text.

In addition to standard cursor movements, the Pagination Station offers a second cursor, called a "mark", which may be used to delimit a character, word, sentence, paragraph, block or file for search and replace. A second invisible mark is also allowed as a placeholder for the cursor.

Scrolling on the Meteor 3000 is both vertical and horizontal, with the Bedford screen acting as a window on the file for maximum scrolling opportunity. Search and replace features may be particular or global.

The Meteor 3000 operates by allowing the user to select the typographic parameters for a collection of lines called a "block". The block may be thought of as the environment for the text it contains. All lines in the block must observe the same measure, tabs, leading, justification mode, spacing and space band parameters.

But the user is free to create blocks at any time, even within other blocks, to yield total user versatility. Hypenation and justification in the Pagination Station are superpowerful, allowing the user complete control over the "look" of his galleys. Underlining, horizontal and vertical rule capabilities on the Meteor 3000 allow a wide variety of weights, restricted only by the phototypesetter being used by the operator. A number of different fixed spaces are available.

Tabs, indents, and change-over-range commands round out the highlights of a dynamic composition package that puts the Meteor 3000 in a class by itself.

And space forbids detailing the full functionality of Bedford's formatting capabilities, and the range of applications (including "nested" formats) operators may choose to use the Pagination Station's format control.

Each Meteor 3000 comes with a standard Bedford Advanced Ethernet interface to allow full user access to all stations on The Vision Network System.

The Meteor 3000 Pagination Station is based on the Motorola MC68000 with up to 2 megabytes of memory. The Bedford detachable keyboard is user programmable, and offers 128 touch-sculptured keys in keypad layouts that are user-friendly.

Each station comes with a standard Bedford Viewscreen Power Painter to speed up display of text and areas on the screen.

Storage includes a 320 kilobyte floppy disk drive and a choice of 12 or 20 megabyte Winchester hard disk. In addition to serving as a convenient software loader and diagnostic checking device, the floppy disk drive affords each user with "private" filing capabilities for confidential storage. Each floppy disk may be hand-carried to other Meteors for work whenever the Pagination Station is tied up during maintenance.

And the Meteor 3000 may be expanded for storage from 80 to 1,200 megabytes (4000 series).

A range of options, including Bedford's own Laser Image Proofer, are available (5000 series).

NEAR-TERM ENHANCEMENTS

The Meteor 3000 will offer the following enhancements in optional software and hardware releases currently under final development.

Ask your Bedford sales representative or dealer when these new products will be made available to your area:

BEDFORD BATCH: A new module offering powerful batch processing capabilities in addition to your Meteor's real time pagination and running formats.

BEDFORD
BATCH

IMAGE SCANNING: Line art and halftone scanning designed by Bedford to cost less, do more, and do it faster.

REAL FONT DISPLAY: Lets users display true fonts on the viewscreen, rather than dot representations.

Bedford uses real fonts,
from Times Roman to Old English!
BCC

GRAPHICS DISPLAY AND EDITING: Line art, halftones, and text merging, full graphics editing, and electronic airbrushing for black and white work.

BEDFORD IMAGE GENERATOR: A "fifth" generation typesetter with full font, line art and halftone output capabilities, page imposition, and a host of throughput features unmatched by anyone in graphic arts. And at a price lower than many "basic" third generation units.

(Release dates internationally are scheduled by December, 1984. U.S. dates vary dependent upon product and region, but normally occur in advance of overseas availability.)

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